PRODUCTS: NUC7i3DNKE, NUC7I3DNHE, NUC7I3DNBE, NUC7i3DNHNC, NUC7i3DNKTC (Standard BIOS)

BIOS Version 0066 – DNKBLi30.86A.0066.2019.0710.1146

About This Release:
- Date: July 10, 2019
- ROM Image Checksum: 0x3DDF, 0xFB67 (No FVME)
- ME Firmware: 11.8.65.3590
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.6.4
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25
- Supported Flash Devices:
    ```
    WinBond     W25Q128JVSIQ     16MB
    MACRONIX    MX25L12850F      16MB
    GigaDevice  GD25B127D        16MB
    ```
- Microcode Updates included in .ROM File:
    MC0806E9_000000B4.mcb
- Additional Microcode Updates included only in .BIO File:
    MC0806E9_000000B4.mcb

New Fixes/Features:
- Fixed issue where there's no display when using eDP panel.
- Fixed issue where BIOS password isn't recognized.
- Modified BIOS code for security fix

BIOS Version 0065 – DNKBLi30.86A. 0065.2019.0611.1424

About This Release:
- Date: June 11, 2019
- ROM Image Checksum: 0xE579, 0xA301 (No FVME)
- ME Firmware: 11.8.65.3590
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.6.4
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25
- Supported Flash Devices:

```
WinBond      W25Q128JVSIQ      16MB
MACRONIX     MX25L12850F       16MB
GigaDevice   GD25B127D         16MB
```

- Microcode Updates included in .ROM File:
  MC0806E9_0000009A.mcb
- Additional Microcode Updates included only in .BIO File:
  MC0806E9_000000B4.mcb

New Fixes/Features:
- Updated CPU microcode to MC0806E9_000000B4.
- Removed "SW Control" option from "Button LED" item in BIOS Setup.

BIOS Version 0064 – DNKBLi30.86A.0064.2019.0524.1402

About This Release:
- Date: May 24, 2019
- ROM Image Checksum: 0x07FE, 0xC586(No FVME)
- ME Firmware: 11.8.65.3590
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.6.4
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed TPM provision test failure.

BIOS Version 0063 – DNKBLi30.86A.0063.2019.0503.1904

About This Release:
- Date: May 3, 2019
- ROM Image Checksum: 0x1449, 0xD1D1(No FVME)
- ME Firmware: 11.8.65.3590
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.6.4
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Updated Intel ME firmware to version 11.8.65.3590.
- Modified BIOS code for security fixes.
- Changed enclosure type default to 0x23.

Known Errata:
- Due to the Intel® ME firmware update in BIOS version 0063, you can't downgrade to version 0062 or earlier.

BIOS Version 0062 - DNKBLi30.86A.0062.2019.0304.1743

About This Release:
- Date: March 4, 2019
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.6.4
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed issue where system doesn't resume from S3 properly.
- Fixed issue where there's no display when using eDP panel.
- Updated BIOS code for security fixes.

BIOS Version 0060 - DNKBLi30.86A.0060.2018.1220.1600

About This Release:
- Date: December 20, 2018
- ME Firmware: 11.8.50.3510
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed issue where Hyperthreading can't be disabled using ITK.
- Fixed issue where disk encryption on Samsung eDrive doesn't work.
- Fixed issue where BIOS update process in Linux hangs on POST code with 48FE.
- Updated EC firmware to version 11.00.

BIOS Version 0059 - DNKBLi30.86A.0059.2018.1129.1702

About This Release:
- Date: November 29, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054

- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Set PCIe ASPM function to Disabled.

BIOS Version 0058 – DNKBLi30.86A.0058.2018.1115.1508

About This Release:
- Date: November 15, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Added NVME hard drive string ID.
- Modified BIOS embedded DP setting.

BIOS Version 0057 – DNKBLi30.86A.0057.2018.1031.1423

About This Release:
- Date: October 30, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Added USB Host/Device mode switch item in USB Configuration page.
- Fixed issue where Persistence Mode can't be set to default using ITK 6.1.8.

BIOS Version 0056 – DNKBLi30.86A.0056.2018.1003.1513

About This Release:
- Date: October 03, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics:

- o Option ROM: 9.0.1051
- o UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- BIOS functionality enhancements.

BIOS Version 0055 - DNKBLi30.86A.0055.2018.0921.1713

About This Release:
- Date: September 21, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - o Option ROM: 9.0.1051
  - o UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed issue where system won't boot when NVME password is enabled then disabled on Intel E6100P SSD.

BIOS Version 0053 - DNKBLi30.86A.0053.2018.0904.1604

About This Release:
- Date: September 4, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - o Option ROM: 9.0.1051
  - o UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed issue where the front panel LED blink code fails if memory is missing.
- Fixed issue with USB after updating BIOS from version 0044 to version 0052 via Jumper recovery.
- Updated Intel® ME firmware to version 11.8.55.3510.
- Updated BIOS Gigabit Ethernet binary to fix SSID issue.
- Due to the Intel® ME firmware update in BIOS version 0053, you can't downgrade to version 0052 or earlier.

BIOS Version 0052 - DNKBLi30.86A.0052.2018.0808.1409

About This Release:
- Date: August 8, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed the issue that would cause the system not to power on.
- Fixed the issue where M.2 PCIe SSDs would run at Generation 2 speeds.[+]
- Removed Intel Ready Mode.
- Fixed the issue that would cause the system to automatically wake from S3 when a device was connected to the 3.5mm jack.
- Fixed the issue that would cause the wireless and Bluetooth options to disappear after they were enabled.
- Fixed the issue where "Wake on USB from S5" wouldn't work ("USB S4/S5 Power must be turned on to see this option).

[+] **To fix the M.2 issue, the BIOS must be installed using the jumper recovery method.**

BIOS Version 0050 - DNKBLi30.86A.0050.2018.0716.1548

About This Release:
- Date: July 16, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Added the feature to keep USB power during System Reset.
- Fixed the issue where BIOS recovery wouldn't work.
- Fixed the Wake on LAN from S3 issue where the monitor wouldn't wake up.
- Fixed the issue where no icon notification would happen when plugging a device into a USB port.

BIOS Version 0047 - DNKBLi30.86A.0047.2018.0613.1803

About This Release:

- Date: June 13, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.10.00
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Enabled fanless mode.
- Updated the EC to version 10.00
- Fixed the issue where the splash screen logo would be askew in the OS recovery process.
- Improved the fault tolerance when using the recovery process.
- Updated CPU Microcode (Security Advisory-00115)
- Updated the TPM 2.0 security.
- Added TPM FW update functionality.

BIOS Version 0044 - DNKBLi30.86A.0044.2018.0528.1748

About This Release:
- Date: May 28, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.09.00
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Add Energy Star Logo for Mini PCs.
- Fixed the issue that caused the incorrect LED behavior (blink or fade) if the S0/S3 indicator is selected.
- Fixed the issue where OS recovery using F8 wouldn't work.

BIOS Version 0040 - DNKBLi30.86A.0040.2018.0315.1529

About This Release:
- Date: March 15, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.09.00
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092

- Visual BIOS: 2.2.25

New Fixes/Features:
- Updated EC firmware version to 9.00.
- Implemented emulation option.
- Fixed USB provisioning setting.
- Fixed issue with disabling USB port in M.2 Wireless Slot for Bluetooth.

BIOS Version 0039 - DNKBLi30.86A.0039.2018.0222.1752

About This Release:
- Date: February 22, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.08.00
- Integrated Graphics:
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Updated CPU Microcode (Security Advisory-00088)

BIOS Version 0037 - DNKBLi30.86A.0037.2018.0131.1112

About This Release:
- Date: January 31, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.08.00
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- SATA non-RAID Option ROM: NA
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed the issue with fan setting changes cannot be retained
- Fixed the issue auto wake from S4 when "wake system from S5" is enabled in bios
- Fixed an error with the OEM Activation Tool.
- Renamed the USB 3.0 setup options for clarity.
- Update EC version to 8.00.
- Update RC version to 3.0.0
- Added the BIOS setup option, "Screen Rotation Policy" to allow the screen orientation to be changed through the BIOS.
- Added the BIOS setup options, "PCIe Port in M.2 Wireless Slot (For WLAN)" and "USB Port in M.2 Wireless Slot (For Bluetooth)" to enable or disable Wireless and/or Bluetooth separately.

- Due to a security enhancement, it will not be possible to go to any BIOS earlier than BIOS DNi30037.

BIOS Version 0031 - DNKBLi30.86A.0031.2017.1123.1420

About This Release:
- Date: November 23, 2017
- ME Firmware: 11.8.50.3425
- EC Firmware: 0C.06.00
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Changed default setting for "IGD Flat Panel" to enabled.
- Changed the BIOS option "USB Host/Device Mode" to "USB 3.0 Port Header Configuration".
- Added the BIOS option to turn USB power off and on.
- Added "USB host/device mode" selection to configuration page in bios menu.
- Updated Management Engine Firmware to version: 11.8.50.3425 (Security Advisory-00086).
- Initial units of NUC7i5DNxE with the SA# -502 and -503 need to be updated to BIOS release 0031 or later in order for Intel Unite® to work.

BIOS Version 0026 - DNKBLi30.86A.0026.2017.0915.2016

About This Release:
- Date: September 15, 2017
- ME Firmware: 11.7.0.3290
- EC Firmware: 0C.06.00
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Initial production BIOS release

LEGAL INFORMATION

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